

FSA5157

PIN CONFIGURATIONS

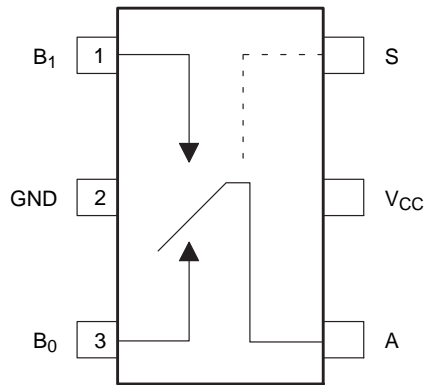


Figure 2. 6-Lead SC70

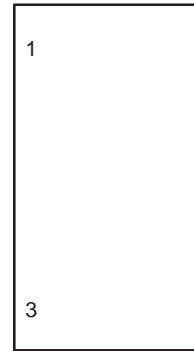


Figure 3. SIP6

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DC ELECTRICAL CHARACTERISTICS (All Typical values are at 25°C unless otherwise specified.)

Symbol	Parameter	Conditions	V _{CC} (V)	T _A = +25°C			T _A = -40°C to +85°C		Unit
				Min	Typ	Max	Min	Max	
V _{IH}	Input Voltage High		3.6 to 4.3				1.4		V
			2.7 to 3.6				1.3		
			2.3 to 2.7				1.1		
			1.65 to 1.95				0.9		
V _{IL}	Input Voltage Low		3.6 to 4.3					0.7	V
			2.7 to 3.6					0.5	
			2.3 to 2.7					0.4	
			1.65 to 1.95					0.4	
I _{IN}	Control Input Leakage	V _{IN} = 0 V to V _{CC}	1.65 to 4.3				0.5	0.5	μA
I _{NO(OFF)} , I _{NC(OFF)}	Off Leakage Current of Port B ₀ and B ₁	A = 0.3 V, V _{CC} = 0.3 V, B ₀ or B ₁ = 0.3 V, V _{CC0.4}							

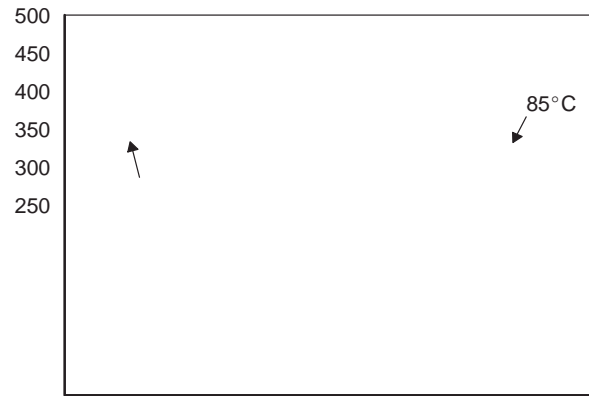
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AC ELECTRICAL CHARACTERISTICS (All Typical values are at 25°C unless otherwise specified.)

Symbol	Parameter	Conditions	V _{CC} (V)	T _A = +25°C			T _A = -40°C to +85°C		Unit	Figure
				Min	Typ	Max	Min	Max		
t _{ON}	Turn On Time	B ₀ or B ₁ = 1.5 V, R _L = 50 Ω, C _L = 35 pF	3.6 to 4.3			55		60	ns	Figure 7
			2.7 to 3.6			60		65		
			2.3 to 2.7			65		70		
			1.65 to 1.95		70			90		
t _{OFF}										

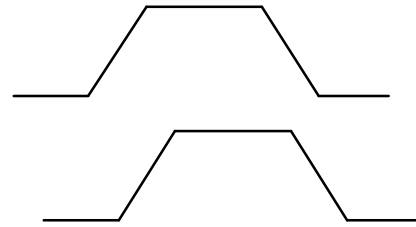
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TYPICAL CHARACTERISTICS



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AC LOADINGS AND WAVEFORMS



B₀

B₁

0.9 x V_{OUT}

GND

GND

AC LOADINGS AND WAVEFORMS (Continued)

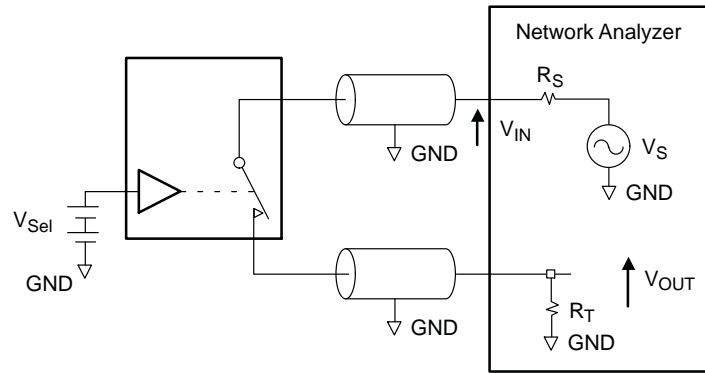


Figure 13. Bandwidth

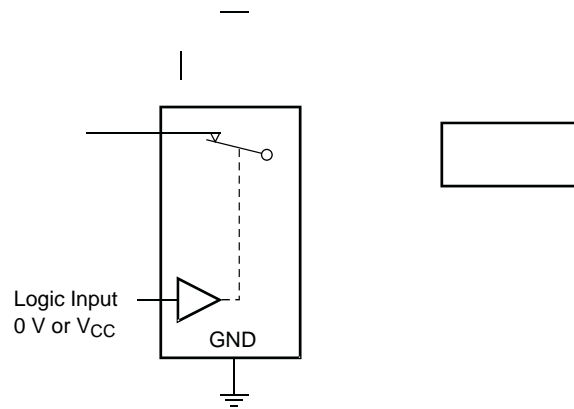


Figure 14. Harmonic Distortion

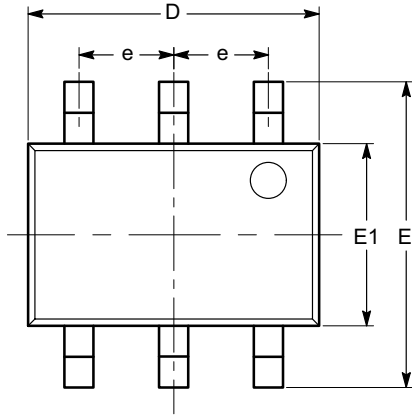
SIP6 1.45X1.0
CASE 127EB
ISSUE O

DATE 31 AUG 2016

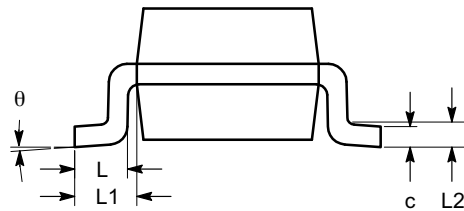
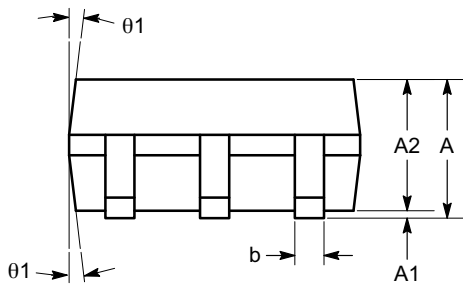
2. DIMENSIONS A 2

CASE 419AD
ISSUE A

DATE 07 JUL 2010



A	0.80		1.10
A1	0.00		0.10
A2	0.80		1.00
b	0.15		0.30
c	0.10		0.18
D	1.80	2.00	2.20
E	1.80	2.10	2.40
E1	1.15	1.25	1.35
e	0.65 BSC		
L	0.26	0.36	0.46
L1	0.42 REF		
L2	0.15 BSC		
θ	0°		8°
θ_1	4°		10°



- (1) All dimensions are in millimeters. Angles in degrees.
 (2) Complies with JEDEC MO-203.

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